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# **BIOMOLECULES**

1.	Hydrolysis of sucrose with dilute aqueous sulphuric acid yields					(EAMCET-2008)	
	1) 1:1 D (+)-Glucose; D-(-)- fructose 2) 1:2 D -(+)-Glucose; D-(-)- f				)-(-)- fructose		
	3) 1:1 D -(-)-Glucose; D-(+)- fructose 4) 1::			2 D -(-) Glucose; D-(+)- fructose			
2.	Which of the following biomolecules acts as specific catalysts in biological reaction ?  (EAMCET -2007)						
	1) Carbohydrates	2) Lipids	3) Vitamins	4) Enzym		EANICET 2007)	
3.	A codon has a sequence of , and specifies a particular that is to be incorporated into a . What are (EAMCET -2009)						
	$\mathbf{A}$	В		C			
	1) 3 bases	amino acid	carbohydrate				
	2) 3 acids	carbohydrate	prot	ein			
	3) 3 bases	protein	amin	no acid			
	4) 3 bases	amino acid	prote	in			
4.	Which of the following does not show mutarotation?					(AIPMT 2010)	
	1) (+) Lactose	2) (+) Maltose	3) (-) Frue	ctose 4)	(+) Sucrose		
5.	Which of the following harmone contains iodine?					(AIPMT 2009)	
	1) Insulin	2) Adrenaline	3) Thyrox	tine 4)	Progesterone	e	
6.	Which of the following is an amine hormone ?					(AIPMT 2008)	
	1) Insulin	2) Oxytocin	3) Thyrox	kine 4)	Progesterone	e	
7.	A segment of a DNA molecule which acts as the introduction manual for the sy protein is					thesis of (AIPMT 2009)	
	1) Nucleotide	2) nucleoside	3) gene	4)	ribose		
8.	RNA and DNA are o	chiral molecules, t	heir chirality is o	lue to			
	1) Chiral bases		, ,	ar component			
	3) L-sugar compor	nent	4) Chiral	phosphate ester	r unit		

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## 9. In DNA, the correct complementary bases are

(AIPMT 2008)

Uranil and adenine : cytosine and guanine
 Adenine and thymine : Guanine and cytosine
 Adenine and thymine : Guanine and uracil
 Adenine and guanine : Thymine and cytosine

# **KEY**

1) 1 2) 4 3) 4 4) 4 5) 3 6) 3 7) 3 8) 2 9) 2